REVIEW OF PLANT PATHOLOGY

REFERENCE ONLY

Volume 51

COMMONWEALTH MYCOLOGICAL INSTITUTE
KEW, SURREY, ENGLAND
1972

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Printed in Great Britain by The Eastern Press, Ltd., London and Reading

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REPUBLIC OF IRELAND: J. DOHERTY, B.L., Department of Agriculture and Fisheries (Development Division), Upper Merrion Street, Dublin 2.

ERRATA

VOLUME 46

Abstract No. 2041 line 6 for '*Xanthomonas*' read '*Xylaria*'

VOLUME 50

Page 461 para. 5 line 4 for '*fructigena*' read '*laxa*'

VOLUME 51

Abstract No. 218 line 1 for 'SURAYANARAYANA' read 'SURYANARAYANA'
„ 279 „ 1 for 'STAHMAN' read 'STAHMANN'
„ 659 „ 1 for 'TUBOLI' read 'TUBOLY'
„ 668 „ 1 for 'PAPAVISAS' read 'PAPAVIZAS'
„ 940 „ 1 for 'LACEY' read 'LACY'
„ 1039*k* „ 1 for 'MAAT, D.C.' read 'MAAT, D.Z.'
„ 1040*a* „ 4 for '*Cristularillea*' read '*Cristulariella*'
„ 1485 „ 1 for 'FRAZER' read 'FRASER'
„ 2101 „ 1 for 'VAUGHN' read 'VAUGHAN'
„ 2504 „ 1 for 'ASHWORTH, J.L.' read 'ASHWORTH, L.J.'
„ 2581 „ 2 for '*omphakodes*' read '*omphacodes*'
„ 2622 „ 4 for '*trifolium*' read '*trifoliorum*'
„ 3010 „ 1 for 'TWARDOWICZ-JAKUSZ' read 'TWARDOWICZ-JAKUSZOWA'
„ 3234 „ 1 for 'LESEMAN' read 'LESEMANN'
„ 3254 „ 1 for 'RUSSEL' read 'RUSSELL'
„ 3265 „ 3 delete '4 yr' and 'a 1 yr survey of'
8 for 'Other' read 'The'
„ 3650 „ 1 for 'KHARE, M.K.' read 'KHARE, M.N.'
„ 3715*h* „ 1 for 'LELLIOT' read 'LELLIOTT'
„ 4035*a* „ 1 for 'FOLIN' read 'FOLLIN'

REVIEW OF PLANT PATHOLOGY

READERS' GUIDE

1972

The primary object of the *Review* is to provide a monthly survey of the more important recent world literature on diseases of plants caused by fungi, bacteria, viruses, mycoplasmas and nonpathogenic factors. It aims at supplying to workers with restricted library facilities sufficiently full abstracts to enable them to keep informed of the progress of current work and to allow them to decide whether they require to see the original document.

Some 900 serial periodicals, including other abstracting journals, are examined regularly (see *Rev. Pl. Path.* **49**: [i]–[xxv]), but many others, together with miscellaneous publications and books, are also scanned. The material abstracted is carefully selected. An effort is made to abstract new data and to omit previously published information and well-known facts. Some background papers are noticed by very brief 'directory notices'. Taxonomic papers are listed in the Institute's half-yearly *Bibliography of Systematic Mycology*, and new generic and specific names of fungi are compiled in the *Index of Fungi*.

To notice new work as soon as possible early results are frequently taken from summaries in annual reports and other official publications; subsequent, more detailed publication of the same results in journals can then be treated more briefly. Back references to the *Review* (quoted as [**50**, 123] to indicate vol. and abstract number or as [**42**:123] to indicate vol. and page number) are given to link related publications and also to enable further details to be traced quickly. References are also given to the Institute's *Distribution Maps of Plant Diseases* (as [map 123]) when the record is a new one for the map cited, or when more information on distribution is relevant.

When consulting an entry the reader should always remember that the title is an integral part of the abstract and may include data necessary for its full comprehension.

In a typical title the name(s) of the author(s) (initials only for men; one forename in full for women) are followed by the date of publication and then by the title of the publication or paper in bold face type in the original language, except for Japanese, Chinese, Arabic etc. Cyrillic characters are transliterated according to the British Standards System (see p. vi). An English translation follows in square brackets with (if necessary) the names of the pathogens adjusted to those used in the *Review*, which for fungi and bacteria are kept in line with the International Codes of Botanical and Bacteriological Nomenclature and with current taxonomic opinion. It may be noted that whenever the perfect state of a fungus is known and generally accepted the name applied to this state is used, even if the paper abstracted refers only to the imperfect state (e.g. *Drechslera oryzae* is always referred to as the perfect state, *Cochliobolus miyabeanus*). Virus names are generally those given by the author. Synonyms are listed in the Institute's publication, Plant Virus Names (*Phytopath. Pap.* 9, 1968 and Suppl. 1, 1971). The journal abbreviations are whenever possible those in the 4th edition of the *World List of Scientific Periodicals*, 1963–65, and *BUCOP New Periodical Titles*, 1964—, those of Russian journals not included in the *World List* being given in transliteration within square brackets. The volume number, part number in round brackets, and first and last page numbers of the article complete the basic citation. Supplementary details given in square brackets include the number of plates, figures, diagrams, graphs, and tables; the number of bibliographic references for papers providing a useful literature review; a note of summary or summaries in languages other than that of the original, with an indication when such summaries are very detailed; and, when possible, if not self-evident, the abbreviated address of the first author. The date of receipt by the Institute is usually given only when there seems to be doubt regarding the year of publication.

The abstracts are arranged in an ever-repeating series (indicated by page and section headings) composed of two main parts—one general, the other of diseases

arranged by crops (see below). Whenever possible, papers are arranged under the host so that, for instance, a paper on tobacco mosaic virus usually comes under 'tobacco' rather than 'viruses'. The monthly subject index on the cover follows this pattern.

The general index to each volume is primarily a host-parasite-geographical index with the entries analysed under hosts and repeated in less detail under pathogens, except for a number of host-specialized pathogens (e.g. *Venturia inaequalis* on apple), the analysed entries of which appear only under the hosts. New records are indicated by asterisks (*). Fungicides are indexed under the chemical names or, if well known, under proprietary names, and the pathogen against which they are used is indicated, together with the host. For Bordeaux mixture only special aspects are indexed. There are in addition a number of special entries such as 'Apparatus', 'Books', 'Legislation', 'Reports', 'Conferences', 'Plant Diseases, Lists of', 'Techniques' etc.

ARRANGEMENT OF ABSTRACTS

GENERAL

REPORTS, Conferences, Symposia etc.

MISCELLANEOUS Subjects

BOOKS (on general subjects; others under specific headings)

BACTERIA (general aspects only; bacterial diseases under crops)

ENTOMOGENOUS Fungi

FUNGICIDES

ANTIBIOTICS

LEGISLATION

MYCORRHIZA

PHYSIOLOGY

SOILS (& Fertilizers)

SYSTEMATIC Mycology (including lists of fungi unless on one host only, then under host)

TECHNIQUES

VIRUSES & MYCOPLASMAS (general aspects and abstracts referring to more than one host; otherwise under crops)

DISEASES & DISORDERS

CROPS, GENERAL (plant disease surveys and lists and papers of a general nature)

CACAO

CEREALS

- Wheat
- Barley
- Oats
- Rye
- Maize
- Sorghum and Millets
- Rice

CITRUS

COFFEE

COTTON

FIBRES

FLOWERS (& Ornamentals)

FODDERS (& Herbage Crops)

FRUIT

- Pome fruit
- Stone fruit
- Soft fruit
- Banana
- Tropical fruits, miscellaneous
- Olive

GRAPEVINE

HOPS

OFFICINAL Plants

PALMS

- Coconut
- Date
- Oil

POTATO

RUBBER

SUGARCANE

TEA

TOBACCO

TOMATO

TREES

- Broad-leaved trees
- Conifers
- Timber

VEGETABLES

- Brassicas
- Beet & Sugar beet
- Legumes
- Onions etc.
- Carrots
- Celery
- Lettuce
- Cucurbits
- Rhubarb
- Tropical vegetables
- Other vegetables
- Mushrooms

(The entries in capitals are those used for page and section headings)

ABBREVIATIONS

Å	Ångström unit
Abs.	Abstract(ed)
abs.	absolute
Acad.	Academy
Agric. (agric.)	Agriculture (agricultural)
a.i.	active ingredient
a.m.	ante meridiem
appl.	Applied
approx.	approximately
Ass.	Association
atm.	atmosphere(s) (of pressures etc.)
av.	average
Bact.(bact.)	Bacteriology (bacteriological)
Biol.(biol.)	Biology (biological)
Bot.(bot.)	Botany (botanical)
Brit.	British
°C	degrees Centigrade
C.	Centre, Central
c.	circa (approx.)
cf.	compare
cm	centimetre(s)
coef.	coefficient
col.	coloured (as in col. pl.)
Coll.	College
Commw.	Commonwealth
conc.	concentrated (concentration)
cv.	cultivar
cwt	hundredweight(s)
D-	configuration of amino acids and carbohydrates
d.	density
dc	double centner(s) (Germ. Doppelzentner)
Dept	Department
diag.	diagram(s)
diam.	diameter, in diameter
Div.	Division
DNA	desoxyribonucleic acid
E.	east
Ed.	Edition
e.g.	for example
Entom. (entom.)	Entomology (entomological)
Exp.(exp.)	Experiment (experimental)
Ext.	Extension
°F	degrees Fahrenheit
f.	forma
Fac.	Faculty
fam.	family
fig.	figure(s)
For.	Forestry
f.sp.(ff.sp.)	forma(e) specialis(es)
ft	foot (feet)
g	gram(s)
gal	gallon(s)
gen.	genus
gen.nov.	new genus
Govt	Government
gr	grain(s)
Gram +	Gram-positive
Gram −	Gram-negative
ha	hectare
Hort.(hort.)	Horticulture (horticultural)
hr	hour(s)
ibid.	the same
i.e.	that is
in	inch(es)
Inst.	Institute
Instn	Institution
Int.	International
I.U.	international units
kg	kilogram(s)
km	kilometre(s)
L-	configuration of amino acids and carbohydrates
l	litre(s)
Lab.	Laboratory
lb	pound(s)
loc. cit.	place (already) cited
log.	logarithm
L.S.	longitudinal section
M	molecular
M	molar or molal (g.mol.)
m	metre(s)
m-	*meta-* (of organic compounds)
max.	maximum
mg	milligram
Microbiol. (microbiol.)	Microbiology (microbiological)
min	minute(s)
min.	minimum
ml	millilitre(s)
mm	millimetre(s)
mol.	molecule
m.p.	melting point
Mus.	Museum
mμ	millimicron (10^{-6}mm)
Mycol. (mycol.)	Mycology (mycological)
N.	north
N	normal (of solutions)
Nat.	natural
Natn.	National
nm	nanometre (10^{-9}m)
no.	number(s)
nov.	new (e.g. sp.nov., gen.nov.)
o-	*ortho-* (of organic compounds)
opt.	optimum
oz	ounce(s)
p., pp.	page, pages
p-	*para-* (of organic compounds)
Path.(path.)	Pathology (pathological)
pH	hydrogen-ion concentration
Physiol. (physiol.)	Physiology (physiological)
Phytopath. (phytopath.)	Phytopathology (phytopathological)
pl.	plate(s)
Pl.	Plant
p.m.	post meridiem
ppm	parts per million
Prot.	protection
psi	(pounds) per square inch
q	quintal(s)
qt	quart(s)
qtr	quarter(s)
q.v.	which see
r	röntgen unit
ref.	reference(s)
Reg.	Regional
Rep.	Report
Res.	Research
R.H.	relative humidity
RNA	ribonucleic acid
rpm	revolutions per minute
S.	south
Sch.	School
Sci.(sci.)	Science(s) (Scientific)
S.D.	standard deviation
S.E.	standard error (or South East)
sec	second(s)
Sect.	Section
Soc.	Society

sol.	solution	viz.	namely
sp., spp.	species (singular and plural)	vol.	volume(s), see v
sp.gr.	specific gravity	W.	west
sp.nov.	new species	w	weight (as in $^{w}/_{v}$)
ssp.	subspecies	wt.	weight
Sta.	State	yd	yard(s)
Stn	Station	yr	year(s)
str.	strain	Zool.(zool.)	Zoology (zoological)
summ.	summary (summaries)	μ	micron (10^{-3} mm)
tech.	Technical	μg	microgram
Technol.	Technology	$\mu\mu$	micromicron (10^{-9}mm)
temp.	temperature	:	ratio (e.g. 1:10; 4:4:50 Bordeaux mixture); in references precedes page numbers
Trop.(trop.)	Tropic(s) (tropical)		
T.S.	transverse section		
Univ.	University	/	per (as in g/l); in (for dilutions, e.g. 1/10)
UV	ultra-violet		
v	volume (as in $^{w}/_{v}$), see vol.	>	more than
var.	variety	<	less than
Veg.	Vegetable		

Australian States & Territories:

ACT, Australian Capital Territory; NSW, New South Wales; NT, Northern Territory; Qd, Queensland; S. Aust., South Australia; Tas., Tasmania; Vict., Victoria; W. Aust., Western Australia.

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Alta, Alberta; BC, British Columbia; Man., Manitoba; NB, New Brunswick; NS, Nova Scotia; Ont., Ontario; PEI, Prince Edward Island; Que., Quebec; Sask., Saskatchewan.

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Beds., Bedfordshire; Berks., Berkshire; Bucks., Buckinghamshire; Cambs., Cambridgeshire; Carms., Carmarthenshire; Ches., Cheshire; Glam., Glamorgan; Glos., Gloucestershire; Hants., Hampshire; Herts., Hertfordshire; Hunts., Huntingdonshire; Lancs., Lancashire; Leics., Leicestershire; Lincs., Lincolnshire; Middx, Middlesex; Mon., Monmouthshire; Northants., Northamptonshire; Notts., Nottinghamshire; Oxon., Oxfordshire; Pembs., Pembrokeshire; Salop, Shropshire; Staffs., Staffordshire; Warwicks., Warwickshire; Wilts., Wiltshire; Worcs., Worcestershire; Yorks., Yorkshire.

USA States:

Ala, Alabama; Ariz., Arizona; Ark., Arkansas; Calif., California; Colo, Colorado; Conn., Connecticut; Del., Delaware; DC, District of Columbia; Fla, Florida; Ga, Georgia; Ill., Illinois; Ind., Indiana; Kans, Kansas; Ky, Kentucky; La, Louisiana; Md, Maryland; Mass., Massachusetts; Mich., Michigan; Minn., Minnesota; Miss., Mississippi; Mo., Missouri; Mont., Montana; Neb., Nebraska; Nev., Nevada; N.Hamp., New Hampshire; NJ, New Jersey; N. Mex., New Mexico; NY, New York; N. Carol., North Carolina; N. Dak., North Dakota; Okla, Oklahoma; Ore., Oregon; Pa, Pennsylvania; RI, Rhode Island; S.Carol., South Carolina; S. Dak., South Dakota; Tenn., Tennessee; Vt, Vermont; Va, Virginia; Wash., Washington; W.Va, West Virginia; Wis., Wisconsin; Wyo., Wyoming.

Languages:

Afrik., Afrikaans; Arm., Armenian; Chin., Chinese; Dan., Danish; Engl., English; Fr., French; Germ., German; Ital., Italian; Jap., Japanese; Nor., Norwegian; Pol., Polish; Port., Portuguese; Russ., Russian; Span., Spanish; Swed., Swedish etc.

Months:

Jan., Feb., Mar., Apr., Aug., Sept., Oct., Nov., Dec.

Organizations:

ADAS	Agricultural Development & Advisory Service
CSIRO	Commonwealth Scientific & Industrial Research Organization
DSIR	Department of Scientific & Industrial Research
EAAFRO	East African Agriculture & Forestry Research Organization
EPPO	European & Mediterranean Plant Protection Organization
E. Malling	East Malling Research Station, nr Maidstone, Kent
FAO	Food & Agriculture Organization of the United Nations, Rome, Italy
IARI	Indian Agricultural Research Institute, New Delhi
INRA, Versailles	Station Centrale de Pathologie Végétale et Laboratoire de Phytopharmacie, Institut Nationale Recherches Agronomiques, Versailles, France
IPO, Wageningen	Instituut voor Plantenziektenkundig Onderzoek, Wageningen
Long Ashton	Agricultural & Horticultural Research Station, Long Ashton, Bristol
Rothamsted	Rothamsted Experimental Station, Harpenden, Herts.
USDA	United States Department of Agriculture

In addition, the international symbols for the commoner chemical elements and a number of simple chemical formulae are used.

Transliteration of Cyrillic characters according to British Standard 2979:1958.*

Russian

A, a	А, а	B, b	Б, б	Ch, ch	Ч, ч	D, d	Д, д
E, e	Е, е	Ė, ė	Ё, ё	É, é	Э, э	F, f	Ф, ф
G, g	Г, г	I, i	И, и	Ĭ, ĭ	Й, й	K, k	К, к
Kh, kh	Х, х	L, l	Л, л	M, m	М, м	N, n	Н, н
O, o	О, о	P, p	П, п	R, r	Р, р	S, s	С, с
Sh, sh	Ш, ш	Shch, shch	Щ, щ	T, t	Т, т	Ts, ts	Ц, ц
U, u	У, у	V, v	В, в	Y, ȳ	Ы, ы	Ya, ya	Я, я
Yu, yu	Ю, ю	Z, z	З, з	Zh, zh	Ж, ж	' "	ь, ъ

Additional for Ukrainian

H, h	Г, г	I, i	І, і	Y, ȳ	И, и	Ye, ye	Є, є	Yi, yi	Ї, ї

Additional for Bulgarian

Sht, sht	Щ, щ	Ŭ, ŭ	Ъ, ъ

* *British Standard for transliteration of Cyrillic and Greek characters*, 23 pp., London (British Standards Institution), 1958. 62½p.